ABSTRACT OF THE INVENTION

A method and system for identifying optimal mapping of logical links to the physical topology of a network is provided. Upon obtaining one or more mapping options for mapping multiple logical links between two or more pairs of network nodes onto physical paths that are as at least relatively disjoint and a priority order of the network node pairs, the mapping options are correlated with the priority order of the network nodes to identify optimal mapping of logical links to the physical topology of a network.